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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/670,380	09/26/2003	Sang-Hyuk Lee	041993-5240	6896
30827	7590	07/28/2006	EXAMINER	
MCKENNA LONG & ALDRIDGE LLP 1900 K STREET, NW WASHINGTON, DC 20006			DUONG, TAI V	
			ART UNIT	PAPER NUMBER
			2871	

DATE MAILED: 07/28/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

10/670,380

**Applicant(s)**

LEE, SANG-HYUK

**Examiner**

Tai Duong

**Art Unit**

2871

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 27 June 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-3,6,7,9-11 and 13-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 6,7,9-11 and 13-19 is/are allowed.
- 6) ☒ Claim(s) 1-3 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 06/27/2006 has been entered.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matsuda (US 5,684,557) in view of Lee et al'547 (US. 2002/0101547) of record.

Matsuda discloses in Figs. 2A-B a method for fabricating a liquid crystal display (LCD) panel comprising the step of subsequently providing a discharging device 27 for removing an electrostatic charge from the liquid crystal display panel P (col. 1, lines 11-24; col. 2, line 26 – col. 3, line 11). Thus, the only differences between the method of Matsuda and that of the instant claims is Lee et al'467 are silent about providing a color filter substrate and performing a lighting test for the LCD panel. However, Lee et al'547 disclose that it is common in the art to manufacture color active matrix LCD panels (paragraph 0007) and to perform a lighting test (visual display test) for the liquid crystal display panel (paragraphs 0013 and 0156). Thus, it would have been obvious to a person of ordinary skill in the art in view of Lee et al'547 to employ in Matsuda's method

a color filter substrate for providing a color LCD panel . Also, it would have been obvious to a person of ordinary skill in the art in view of Lee et al'547 to perform a lighting test (visual display test) for the liquid crystal display panel in Matsuda's method for detecting a defective LCD panel. Although Matsuda does not explicitly disclose that the air blown by the discharge bar (ionizer system) is ionized, it is well-known in the art that the air has to be *ionized* in order to dissipate the electrostatic charge, as evidenced by the JP 09-213597 (abstract), U.S. 5,742,173 (col. 10, lines 49-53), and U.S. 2003/0214614 (paragraph 0016 and 0022).

Applicant's arguments filed 5/26/06 with respect to claims 1-3 have been fully considered but they are not persuasive for the reasons mentioned in the above rejection. Also, Applicant's remarks stated that in the present application, the discharging is performed *during* the lighting test, or the lighting test for the LCD panel is performed *after* the discharging. It is noted that claim 1 does *not* recite these features.

Claim 6 is allowed over the prior art of record because none of the prior art discloses or suggests a method comprising the steps of "forming a color filter substrate and a thin film transistor substrate, forming a liquid crystal layer between the color filter and thin film transistor substrates to form a liquid crystal display panel", "subsequently discharging the thin film transistor substrate of the liquid crystal display panel" and "*after* discharging the thin film transistor substrate, performing a lighting test for the liquid crystal display panel". Claim 7 is also allowed since it depends on the allowed claim 6.

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Claim 6 is allowed over the prior art of record for the same reasons applied to claim 12 set forth in the Office Action dated 02/28/2006. Claims 10, 11 and 13-19 are also allowed since they depend on the allowed claim 6.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

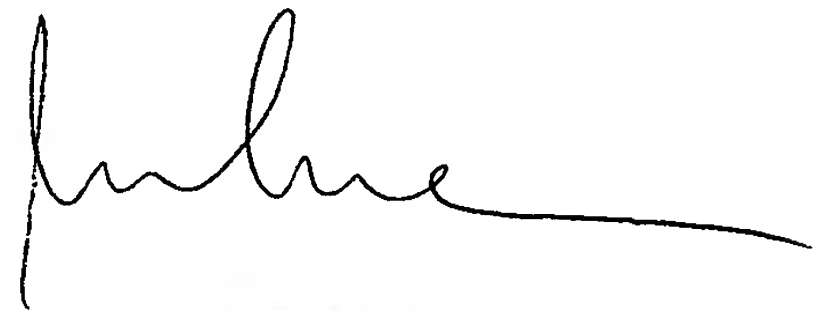
Any inquiry concerning this communication should be directed to Tai Duong at telephone number (571) 272-2291.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

TD

TVD

07/06



T. NGUYEN  
EXAMINER